

**WHAT IS CLAIMED IS:**

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1. An orthopaedic reamer for cutting bone, comprising:  
a shaft; and  
a head coupled with said shaft, said head including a distal face with a plurality of cutting teeth and at least one viewing window, each said viewing window extending through said head.
  2. The orthopaedic reamer of claim 1, said at least one viewing window comprising a plurality of viewing windows.
  3. The orthopaedic reamer of claim 2, each said viewing window having a predefined cross-sectional configuration, at least two of said cross-sectional configurations being different.
  4. The orthopaedic reamer of claim 1, said at least one viewing window having a cross-sectional configuration with a continuous compound curvature.
  5. The orthopaedic reamer of claim 4, said cross-sectional configuration being dependent upon a location of said viewing window relative to adjacent said cutting teeth.
  6. The orthopaedic reamer of claim 1, said at least one viewing window having a cross-sectional configuration which is dependent upon location of said viewing window relative to adjacent said cutting teeth.
  7. The orthopaedic reamer of claim 1, said cutting teeth being generally partial hemispherical shaped.
  8. The orthopaedic reamer of claim 1, said head having an overall generally hemispherical shape.
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  9. A method of cutting bone using an orthopaedic reamer, comprising the steps of:  
providing an orthopaedic reamer, including:  
a shaft; and

a head coupled with said shaft, said head including a distal face with a plurality of  
5 cutting teeth and at least one viewing window, each said viewing window extending through said  
head;

placing said orthopaedic reamer against the bone;  
rotating said orthopaedic reamer to thereby cut the bone using said plurality of teeth;  
stopping rotation of said orthopaedic reamer; and  
10 viewing the bone through at least one said viewing window.

10. The method of claim 9, wherein the bone is associated with one of a shoulder, knee  
and hip.